



DEFENSE LOGISTICS AGENCY  
LAND AND MARITIME  
POST OFFICE BOX 3990  
COLUMBUS, OH 43218-3990

November 19, 2012

Ms. Beth Parker  
Microsemi Lawrence  
6 Lake Street  
Lawrence, MA 01841-3011

Dear Ms. Parker:

Re: Notification of Qualification, MIL-PRF-19500P, FSC 5961; VQ (VQE-13-025391), CAGE Code 43611, Control # 037756

Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JANTXV1N6843CCU3 to Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /681B. Extension is granted to the other devices listed below as allowed by paragraph E.4.2.2 (Qualification by Extension). Therefore, your products will be listed as shown below in Qualified Manufacturers List (QML) 19500. This qualification is effective as of November 13, 2012. The starting lot date code is R1203.

The qualification lot Thermal Impedance conditions and upper limits are as follows (subject to change after 5 lots with the approval of the qualifying activity):

$I_M$	$I_H$	$t_H$	$t_{MD}$	$Z_{\theta JX}$ (Screening)	$Z_{\theta JX}$ (QCI)
10 mA	10 A	10ms	100 $\mu$ s	1.38 °C/W max	1.5 °C/W max

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Perform Spec.	Manufacturer Name & Address
** 1N6843CCU3	3A	CDWR	19500-3694-13	/681B	Same as above

\*\* Includes JAN, JANTX & JANTXV quality levels

Plant 11: Microsemi AMSG  
11861 Western Avenue  
Garden Grove, CA 92641  
(Wafer Fabrication)

This qualification approval is based upon test report number 19500-3694-13, your letter dated October 12, 2012, and subsequent emails is subject to the conditions as stated in the SD-6 and DOD 4120.24M.

Because we are held responsible for the accuracy and currency of this Qualified Manufacturers List, please let us know if your company discontinues production of these products. Also, manufacturers are required to inform this office immediately after learning of a potential issuance of a GIDEP alert, problem advisory, or other problem notification on their QML product. If you have any questions, please contact Mr. DelloStritto 614-692-0616.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE  
Chief  
Sourcing and Qualifications Division

